

Title (en)

GEOMETRIC PATTERNS AND LIPID BILAYERS FOR DNA MOLECULE ORGANIZATION AND USES THEREOF

Title (de)

GEOMETRISCHE MUSTER UND LIPIDDOPELSCHICHTEN ZUR DNA-MOLEKÜLORGANISATION UND VERWENDUNGEN DAVON

Title (fr)

MOTIFS GÉOMÉTRIQUES ET BICOUCHES LIPIDIQUES UTILISABLES POUR L'ORGANISATION DE MOLÉCULES D'ADN ET LEURS UTILISATIONS

Publication

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Application

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Abstract (en)

[origin: WO2009132124A2] The invention is related to nucleic acid arrays and methods of using nucleic acid arrays.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [I] WO 2007041340 A2 20070412 - UNIV COLUMBIA [US], et al
- [X] US 2003138973 A1 20030724 - WAGNER PETER [US], et al
- [X] Y.-H. M. CHAN ET AL: "Kinetics of DNA-mediated docking reactions between vesicles tethered to supported lipid bilayers", PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES, vol. 104, no. 48, 27 November 2007 (2007-11-27), pages 18913 - 18918, XP055110747, ISSN: 0027-8424, DOI: 10.1073/pnas.0706114104
- [XP] MARI-LIIS VISNAPUU ET AL: "Parallel Arrays of Geometric Nanowells for Assembling Curtains of DNA with Controlled Lateral Dispersion", LANGMUIR, vol. 24, no. 19, 7 October 2008 (2008-10-07), pages 11293 - 11299, XP055036703, ISSN: 0743-7463, DOI: 10.1021/la8017634
- [XP] TERESA FAZIO ET AL: "DNA Curtains and Nanoscale Curtain Rods: High-Throughput Tools for Single Molecule Imaging", LANGMUIR, vol. 24, no. 18, 7 August 2008 (2008-08-07), pages 10524 - 10531, XP055110714, ISSN: 0743-7463, DOI: 10.1021/la801762h
- [A] CAITLYN C YEYKAL ET AL: "Visualizing the Behavior of Human Rad51 at the Single-Molecule Level", CELL CYCLE 5:10, 15 May 2006 (2006-05-15), pages 1033 - 1038, XP055110757, Retrieved from the Internet <URL:https://www.landesbioscience.com/journals/cc/yeykalCC5-10.pdf> [retrieved on 20140328]
- See references of WO 2009132124A2

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DOCDB simple family (application)

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